

DAY 1 - JULY 10, 2022 (SUNDAY)

UTC+8

12:00-	REGISTRATION OPENS						
13:40-15:10	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Award Sessions	Cell Biomechanics 1	Societies	Cardiorespiratory 1	Musculoskeletal 1	Musculoskeletal 2	Musculoskeletal 3
	TSB Best Paper Awards	Computational Methods in Cell Mechanics 1 (Biological/Chemical Aspects)	HWBI: Hand Biomechanics 2	Cardiac Mechanics and Heart Modeling 2	Tendon, Ligament and Entthesis Biomechanics 2	Knee Biomechanics 1	Dynamic Muscle Modeling 1
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Locomotion and Human Movement 1	Locomotion and Human Movement 2	Sports Biomechanics	Injury, Rehabilitation, and Ergonomics	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 2	
	Locomotor Behavior in Animal and Robotic Systems	Motor Control - Lower Extremity	Performance Analysis and Enhancement	Wearable Technologies for Rehabilitation Biomechanics 1	Biomechanics of Joint Injury and Injury Prevention 2	Airway Flows and Lung Transport	
15:10-15:30							
REFRESHMENT BREAK							
15:30-17:00	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Artificial Organs, Medical Device & Assistive Tech	Cell Biomechanics 1	Cell Biomechanics 2	Tissue Engineering 2	Organ Biomechanics	Cardiorespiratory 1	Musculoskeletal 1
	3D Bioprinting/ Organ on-a-chip/ Tissue on-a-chip	Computational Methods in Cell Mechanics 2 (Physical/Structural Aspects)	Cell Mechanics and Mechanotransduction	Development and Clinical Translation of Functional Tissue Engineering Applications	Breast Biomechanics in Health and Disease	Lung Mechanics	Bone Mechanics 4
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 3	Orthopaedic Biomechanics	Artificial Organs, Medical Device & Assistive Tech	Sports Biomechanics	Biofluid and Transport 1	Biofluid and Transport 2	Biomedical Engineering Education and Outreach
	Computational Joint Mechanics 2	Total Joint Replacements 1	Biomechanics of Implants	Sports and Well-Being	Biofluids in Medicine	Biological and Blood Analogue Flows	Innovations in Biomechanics Education

DAY 1 - JULY 10, 2022 (SUNDAY)

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17:00-17:20	REFRESHMENT BREAK	
17:20-18:05	Plenary Lecture - Channel 1 / TICC	Plenary Lecture - Channel 2
	LIESBET GERIS From a Skeletal Cell Atlas to Optimized Tissue Engineered Osteochondral Implants using In Silico Technologies	JOSUÉ SZNITMAN Revisiting Respiratory Transport Phenomena with Advanced Preclinical in Vitro Pulmonary Platforms
18:30-19:15	North Lounge (3F), TICC / Gather Town	
	WELCOME RECEPTION	

DAY 2 - JULY 11, 2022 (MONDAY)

UTC+8

08:00-09:30	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Locomotion and Human Movement 2	Molecular and Subcellular	Cell Biomechanics 2	Organ Biomechanics	Cardiorespiratory 1	Cardiorespiratory 1	Cardiorespiratory 3
	Falls - Prediction & Prevention	Protein Biomechanics	Mechanosensation and Mechanotransduction	Ocular Biomechanics: Clinical Applications	Cardiovascular Growth and Remodeling Mechanics	Hemodynamics and Hypertension	Cardiovascular Modeling and Experimentation
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Locomotion and Human Movement 1	Artificial Organs, Medical Device &	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 1	Award Sessions	
	Intervertebral Disc Mechanics	Locomotion & Biomechanics - Neurological Disorders	Medical Device/ Soft Tissue Interaction 1	High Rate Injury Biomechanics	Active Matter	JSME-BED Outstanding Young Researcher Presentation	

09:30-09:50	REFRESHMENT BREAK						
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09:50-11:20	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Artificial Organs, Medical Device &	Cell Biomechanics 1	Cell Biomechanics 2	Tissue Engineering 1	Tissue Engineering 1	Tissue Engineering 2	Cardiorespiratory 3
	Dental/Craniofacial Biomechanics	Nuclear Biomechanics 1	Microfluidics and Microdevices for Mechanobiology	Functional Tissue Engineering of Cartilage and the Tissue Interface	Soft Tissue Engineering and Biomechanics	Strain Measurements in Biological Tissues and Biomaterials	Mechanobiology, Adhesion & Migration of Cells
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Musculoskeletal 3	Orthopaedic Biomechanics	Locomotion and Human Movement 2	Emerging Areas		
	Tendon, Ligament and Entesis Biomechanics 1	Computational Bone Mechanics 2	Foot and Ankle 2	Motor Control - Upper Extremity	Cell Chirality and Symmetry Breaking 2		

DAY 2 - JULY 11, 2022 (MONDAY)

UTC+8

11:20-12:05	Plenary Lecture - Channel 1 / TICC	Plenary Lecture - Channel 2
	FONG-CHIN SU	CELESTE NELSON
	Robots for Rehabilitation of Hand Function	What Can Transcriptomics Teach Us About Mechanobiology?
12:20-12:40	Channel 1 / TICC	
	OPENING CEREMONY	
12:40-13:25	Opening Lecture In Memory of Professor Yuan-Cheng Fung - Channel 1 / TICC	
	SHU CHIEN	
	Mechanotransduction in Vascular Cells	
12:40-13:40	LUNCH BREAK	

DAY 2 - JULY 11, 2022 (MONDAY)

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	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
13:40-15:10	Award Sessions	Molecular and Subcellular	Cardiorespiratory 1	Musculoskeletal 1	Musculoskeletal 1	Musculoskeletal 2	Musculoskeletal 2
	9th WCB 2022 Young Researcher (Pre-Doctoral) Award	Cell Adhesion and Cell-based Machines	Multiscale Models of the Cardiovascular System	Bone Mechanics 3	Active Muscle Mechanics	Human Spine, Characterization and Modeling	Knee Biomechanics 2
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 3	Musculoskeletal 3	Orthopaedic Biomechanics	Locomotion and Human Movement 1	Locomotion and Human Movement 1	Biofluid and Transport 2	Emerging Areas
	Musculoskeletal Tissue Mechanics and Morphology	Coupling of Musculoskeletal Modeling, Imaging and Robotics	Clinical Biomechanics 3	Mobile Monitoring of Human Movement	Machine Learning and Pose Estimation	Emerging Areas in Experimental Biofluid and Transport	Biomechanics of Gastrointestinal Tract and Bladder

15:10-15:30	REFRESHMENT BREAK						
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	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
15:30-17:00	Societies	Tissue Engineering 2	Organ Biomechanics	Organ Biomechanics	Cardiorespiratory 2	Cardiorespiratory 2	Musculoskeletal 1
	APAB: Current Trends in Asian-Pacific Region	Biomanufacturing of Living Implants: <i>in-vitro</i> and <i>in-silico</i> Models	Emerging Areas in Organ Biomechanics and Organ Support Devices	Face Biomechanics and Other Complex Soft Tissue Mechanics Challenges	Clinical Applications of Aneurysm Biomechanics	Hemodynamics for Liver Interventions	Meniscus Mechanics
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 2	Musculoskeletal 3	Orthopaedic Biomechanics	Artificial Organs, Medical Device &	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 1	Societies
	Shoulder Biomechanics	Inverse Problems and Parameter Identification	Total Joint Replacements 2	Footwear Biomechanics	Neuromuscular Rehabilitation Using Biomechanics and Data-driven Approaches	Cilia and Flagella	SBBRA: Advances in Diagnostics, Therapeutics and Biomedical Technologies in Africa

DAY 2 - JULY 11, 2022 (MONDAY)

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17:00-17:20	REFRESHMENT BREAK						
17:20-18:50	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Molecular and Subcellular Biomechanics	Cell Biomechanics 1	Organ Biomechanics	Cardiorespiratory 1	Cardiorespiratory 1	Cardiorespiratory 3
	APAB: NextGen Biomechanics in Asian-Pacific Region	Molecular Mechanisms of Mechanotransduction	Mechanical Regulation of Stem Cells	Skin Biomechanics	Cardiac Mechanics and Heart Modeling 1	Inverse Problems and Data Assimilation in the Circulatory System	Aneurysm and Aortic Dissection: Materials and Prothesis
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Musculoskeletal 3	Neural Mechanics	Neural Mechanics	Sports Biomechanics	Biofluid and Transport 2	Societies
	Bone Mechanics 2	Modelling in Neuromechanics: From Simulations to Clinical Applications	Glymphatics 2	Brain Tissue Mechanics	Fatigue and Recovery in Sports	Transport and Mechanics of the Central Nervous System	SBBRA: Research Frontiers in Communicable and Noncommunicable Diseases

DAY 3 - JULY 12, 2022 (TUESDAY)

UTC+8

	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
08:00-09:30	Societies	Molecular and Subcellular Biomechanics	Cell Biomechanics 1	Tissue Engineering 1	Organ Biomechanics	Cardiorespiratory 1	Cardiorespiratory 3
	HWBI: Hand Biomechanics I	Reconstituted Cytoskeleton Systems	Flow-Mediated Cellular Biomechanics	Emerging Areas in Tissue Engineering Mechanobiology	Ocular Biomechanics: Basic Science Studies	Brain Vascular Mechanics and Function	Cardiovascular Imaging and Structural Heart Repair
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Musculoskeletal 2	Locomotion and Human Movement 1	Artificial Organs, Medical Device & Assistive Tech	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 2	Societies
	Musculoskeletal Interfaces	Functional Assessment of Joints	Upper Extremity Biomechanics	3D Printing Technologies Applications	Biomechanics of Joint Injury and Injury Prevention 1	Lymphatic Biomechanics and Fluid Transport	ASME: Enabling Regulatory Acceptance of Computer Modeling and Simulation

09:30-09:50	REFRESHMENT BREAK						
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	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
09:50-11:20	Locomotion and Human Movement 2	Cell Biomechanics 1	Tissue Engineering 1	Tissue Engineering 1	Cardiorespiratory 1	Cardiorespiratory 2	Cardiorespiratory 3
	Upright Posture Control (Standing/Sitting/Reactive Stepping)	Cell Mechanosignaling in Immunological Diseases	Mechanobiology of Cartilage and Bone	Nano- and Micro-Mechanics of Biological Tissue, Biomimetic and Bioinspired	Microcirculation Mechanics: Structure and Function	Mechanobiology of Branching Networks of Airway and Vessels	Cell and Molecular Mechanics applied to Pathophysiology
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Neural Mechanics	Orthopaedic Biomechanics	Locomotion and Human Movement 1	Locomotion and Human Movement 2	Artificial Organs, Medical Device & Assistive Tech	Emerging Areas	Cardiorespiratory 1
	CNS Biomechanics	Clinical Biomechanics 1 - Upper	Wearable Sensors for Biomechanical Assessment	Human/Machine Motor Function Augmentation	Artificial Intelligence and Big Data	Multicellular Mechanics in Development and Homeostasis	Multiscale Mechanics of Thrombus Formation

DAY 3 - JULY 12, 2022 (TUESDAY)

UTC+8

11:20-12:05	Plenary Lecture - Channel 1 / TICC			Plenary Lecture - Channel 2			
	KENTON KAUFMAN			CRAIG SIMMONS			
	Experimental Validation of Models for Musculoskeletal Reconstruction			Multifactorial Optimization of Mechanobiological Responses for Stem Cell Bioprocess Development			
12:10-13:40	Gather Town			TICC 201			
	POSTER SESSION 1			INDUSTRY SYMPOSIUM (ANSYS)		LUNCH BREAK	
13:40-15:10	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Award Sessions	Molecular and Subcellular	Cell Biomechanics 1	Tissue Engineering 2	Organ Biomechanics	Biomedical Engineering Education	Cardiorespiratory 3
	9th WCB 2022 Early Career Research (Post-Doctoral) Award	Biomechanics of Nuclear Envelope and Pore Complex	Nuclear Biomechanics 2	Multiscale Modeling and Validation for Tissue Engineering	Cardiac Biomechanics	Teaching with the OpenSim Neuromuscular Biomechanics Software	Flow Induced Blood Damage and Thrombosis in Cardiovascular Devices
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 2	Musculoskeletal 3	Neural Mechanics	Neural Mechanics	Orthopaedic Biomechanics	Locomotion and Human Movement 2	
	Trauma to Head and Spine	Computational Joint Mechanics 1	Glymphatics 1	CSF Flow 1	Cone-beam Technology and Weight-Bearing CT Scans 2	Locomotion after Concussion / Dual Task	
15:10-15:30	REFRESHMENT BREAK						

DAY 3 - JULY 12, 2022 (TUESDAY)

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	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
15:30-17:00	Societies	Cell Biomechanics 1	Cell Biomechanics 2	Tissue Engineering 2	Organ Biomechanics	Cardiorespiratory 2	Cardiorespiratory 2
	ISB Affiliated Societies: Current Biomechanics in the World	Computational Analysis in Tissue and Cell Mechanics	Cytoskeletal Mechanics and Mechanobiology	Experimental and Computational Technologies for Tissue Engineering	Biomechanics of Cancer & Gastric Diseases	Advancing Methods for Protective Ventilation in ARDS and COVID-19	Coronary Disease: Biomechanics for Clinical Diagnosis & Intervention Assessment
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Orthopaedic Biomechanics	Artificial Organs, Medical Device &	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 1	Biofluid and Transport 2	Emerging Areas
	Bone Mechanics 1	Imaging in Orthopaedic Biomechanics 2	Biomedical Robotics	Biomechanics of Assistive Devices	Reproduction	Biotransport Diagnostics and Therapeutics	Strategies for Multiscale Modelling

17:00-17:20	REFRESHMENT BREAK						
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	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
17:20-18:50	Societies	Molecular and Subcellular	Cell Biomechanics 1	Cardiorespiratory 1	Cardiorespiratory 3	Musculoskeletal 2	Musculoskeletal 3
	TOTA: Clinical Application of Biomechanics in Occupational Therapy	Nuclear Mechanobiology	Mechanics of Cytoskeleton and Cell Motility	Clinical Application for Biomechanics in Cardiopulmonary System	Emerging Areas in Cardiorespiratory and Other Organ Biomechanics	General Musculoskeletal Biomechanics	Computational Bone Mechanics 1
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Locomotion and Human Movement 1	Locomotion and Human Movement 2	Sports Biomechanics	Biofluid and Transport 1	Biofluid and Transport 1	Biofluid and Transport 1	Biofluid and Transport 2
	Joint Loading During Locomotion and Human Movement	Locomotion in Elderly	Concussion in Sports	Biofluid Flows	Vesicles, Capsules and Cells	Transport Phenomena in Biofluids	From Microcirculation to Large Artery Flows

DAY 4 - JULY 13, 2022 (WEDNESDAY)

UTC+8

08:00-09:30	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Artificial Organs, Medical Device & Upper and Lower Extremity Rehabilitation	Molecular and Subcellular Cytoskeletal Structures in Cells	Cell Biomechanics 1 New Technologies to Study Cellular Mechanics	Cell Biomechanics 2 Mechanics of Cell Adhesion and Contractility	Cardiorespiratory 1 Systemic Cardiovascular Tissue Mechanics and Remodeling	Cardiorespiratory 1 Vascular Mechanics and Blood Flow 2	Musculoskeletal 1 Musculoskeletal Tissue Mechanics General Session
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Neural Mechanics	Locomotion and Human Movement 1	Biofluid and Transport 1	Biofluid and Transport 2	Biomedical Engineering Education	Societies	
	Brain MR Elastography	Locomotion & Biomechanics - Osteoarthritis and Orthopaedic Conditions	Swimming Microorganisms	Micro and Nano Flow Applications	National/ International Biomechanics Day	ISB Recommendations and Consensus in Biomechanics Foot and Ankle Bone Reference Definitions	

09:30-09:50	REFRESHMENT BREAK						
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09:50-11:20	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Cell Biomechanics 1	Cell Biomechanics 2	Tissue Engineering 1	Cardiorespiratory 1	Cardiorespiratory 2	Musculoskeletal 1
	ISB 50 years of International Biomechanics: Contributions to Instruments and Techniques	New Methods to Mechanically Stimulate Cells	Embryonic and Developmental Mechanobiology	Biomechanical Microengineering of Tissue Mimics for Human Disease Modeling	Cardiovascular Growth and Mechanobiology	Clinical Applications of Heart Biomechanics	Mechanics of Musculoskeletal Growth and Development
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 2 Ankle and Foot Biomechanics	Orthopaedic Biomechanics Imaging in Orthopaedic Biomechanics 1	Locomotion and Human Movement 2 Wearables for Posture & Balance Assessment	Sports Biomechanics Performance and Injury Prevention	Biofluid and Transport 2 Brain Biotransport	Emerging Areas Artificial Intelligence and Machine Learning in Biomechanics Learning 1	

DAY 4 - JULY 13, 2022 (WEDNESDAY)

UTC+8

11:20-12:05	Plenary Lecture - Channel 1 / TICC			Plenary Lecture - Channel 2			
	JUSTIN COOPER-WHITE			SHIGEO WADA			
	Mechano-intervention: Elucidating Drivers of Stem Cell Fate for Enhanced and Targeted Tissue Rejuvenation			Realistic Simulation in Computational Biomechanics: Connection Between Theoretical Analysis and Real Phenomenon			
12:10-13:40	Gather Town						
	POSTER SESSION 2			LUNCH BREAK			
13:40-15:10	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Tissue Engineering 1	Organ Biomechanics	Cardiorespiratory 1	Cardiorespiratory 2	Musculoskeletal 1	Musculoskeletal 2
	ISB 50 years of International Biomechanics: Contributions to Basic and Applied Science	Biomaterials and Biomechanics	Lung and Airway Biomechanics and Organ De/Re-cellularization Approaches	Vascular Mechanobiology	Congenital Heart Disease & Pediatric Clinical Applications	In vivo Bone Adaptation	Emerging Technologies to Analyze Human Motion
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Neural Mechanics	Orthopaedic Biomechanics	Orthopaedic Biomechanics	Locomotion and Human Movement 1	Locomotion and Human Movement 2	Artificial Organs, Medical Device &	Injury, Rehabilitation, and Ergonomics
	Neural Biomechanics	Clinical Biomechanics 2 - Lower	Cone-beam Technology and Weight-Bearing CT Scans 1	Muscle and Tendon Function During Human Movement	Locomotion and Virtual Reality	Biomechanics of Assistive Technology	Wearable Technologies for Rehabilitation Biomechanics 2
15:10-15:30	REFRESHMENT BREAK						

DAY 4 - JULY 13, 2022 (WEDNESDAY)

UTC+8

15:30-17:00	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Artificial Organs, Medical Device & Biomechanics of Brain Injury and Artificial Joints	Tissue Engineering 2	Organ Biomechanics	Cardiorespiratory 2	Cardiorespiratory 3	Musculoskeletal 2	Musculoskeletal 3
		Multiscale Biomechanics of Scaffolds	Liver Biomechanics	Cardiopulmonary Models for Clinical Translation	Arterial Biomechanics	Hand and Wrist Biomechanics	Modeling and Clinical Applications of Neuromechanics
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Orthopaedic Biomechanics	Sports Biomechanics	Biofluid and Transport 1	Biofluid and Transport 1	Biofluid and Transport 2	Emerging Areas	Cell Biomechanics 2
	Prosthetics and Orthotics	Motor Control, Learning, and Adaptation	Biofluids in Devices and Microfluidics	Biofluids in Nature	Biomimetic and Bioinspired Flows	Fluid-Structure Interactions	Cancer Mechanobiology

17:00-17:20	REFRESHMENT BREAK
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17:20-18:05	ISB Sponsored Plenary Lecture - Channel 1 / TICC		Plenary Lecture - Channel 2	
	ALBERTO LEARDINI		HANNA ISAKSSON	
	Design and Manufacturing of Custom-made Implants in an Orthopedic Centre		Unravelling the Biomechanics and Mechanobiology of Achilles Tendon Regeneration Through a Combined Multimodal and Multiscale Strategy	

19:00-21:00	Grand Hyatt Taipei	
	CONGRESS DINNER	

DAY 5 - JULY 14, 2022 (THURSDAY)

UTC+8

08:00-09:30	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Molecular and Subcellular	Cell Biomechanics 2	Cell Biomechanics 2	Cell Biomechanics 2	Cardiorespiratory 1	Cardiorespiratory 1
	Mayo Clinic Biomechanics: 50 Year Impact of Integrating Biomechanical Principles into Clinical Practice I	Actomyosin Mechanobiology	Mechanobiology of Migrating Cells	Mechanobiology of Health and Disease	Mechanogenetics and Mechanotherapies	Image-based Cardiovascular Mechanics 1	Multiscale Modeling of Blood Flow
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Cardiorespiratory 3	Musculoskeletal 2	Musculoskeletal 3	Artificial Organs, Medical Device &	Emerging Areas	Biomedical Engineering Education	
	Pediatric Cardiovascular MCS Devices	Hip Biomechanics	Dynamic Muscle Modeling 2	Biomechanics of Exoskeletons	Brain Biomechanics	Women in Biomechanics	

09:30-09:50	REFRESHMENT BREAK						
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09:50-11:20	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Cell Biomechanics 2	Cell Biomechanics 2	Tissue Engineering 1	Tissue Engineering 2	Cardiorespiratory 1	Orthopaedic Biomechanics
	Mayo Clinic Biomechanics: 50 Year Impact of Integrating Biomechanical Principles into Clinical Practice 2	Cardiovascular Mechanobiology and Biomechanics	Sex-Specific Differences in Mechanobiology and Health	Decellularized and Polymer Matrices for Regenerative Medicine	Image-based Characterization of Biological Tissues and Biomaterials	Mitochondrial Energetics	Skeletal Reconstruction
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Locomotion and Human Movement 2	Biofluid and Transport 2	Emerging Areas	Emerging Areas	Emerging Areas	Award Sessions	
	Rehabilitation/Dynamic Balance During Functional Activities	Hyperthermia and Biotransport within the Cancer Microenvironment	Artificial Intelligence and Machine Learning in Biomechanics Learning 2	Cell Chirality and Symmetry Breaking 1	The Search for the Next Critical Tool in Cellular Mechanosensing: A Special Session Honoring Christopher Jacobs	International Society of Biomechanics Female Research Excellence Award	

DAY 5 - JULY 14, 2022 (THURSDAY)

UTC+8

11:20-12:05	Plenary Lecture - Channel 1 / TICC			Plenary Lecture - Channel 2			
	TAKEO MATSUMOTO			DAWN ELLIOTT			
	Microscopic Estimation of Mechanical Environment in Soft Biological Tissues to Elucidate Biological Response Driven by Force and Deformation			Multiscale Mechanics of Musculoskeletal Tissues			
12:10-13:40	Gather Town						
	POSTER SESSION 3			LUNCH BREAK			
13:40-15:10	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Cell Biomechanics 2	Tissue Engineering 1	Tissue Engineering 1	Cardiorespiratory 3	Musculoskeletal 1	Musculoskeletal 3
	IRCOBI: Multiscale Injury Biomechanics Research	Cell Interaction with Microenvironment	Mechanobiology and Tissue Engineering of the Respiratory Tract	Heart Valve and Vasculature/Lymphatic Biomechanics and Tissue Engineering	Prosthetic Heart Valves	Mechanics of Passive Muscle and Connective Tissue	Imaging of Musculoskeletal Mechanics
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Neural Mechanics	Orthopaedic Biomechanics	Orthopaedic Biomechanics	Locomotion and Human Movement 1	Locomotion and Human Movement 2	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 1
	CSF Flow 2	Foot and Ankle 1	Joint Degeneration, Treatment and Quantitative Assessment	Amputee Biomechanics - Locomotion and Functional Activities	Assistive Devices for Balance and Posture (AFOs/Exoskeletons/Braces/Prostheses)	Injury Prevention - in silico and in vitro Methods	Microswimmer
15:10-15:30	REFRESHMENT BREAK						

DAY 5 - JULY 14, 2022 (THURSDAY)

UTC+8

15:30-17:00	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
	Societies	Tissue Engineering 2	Organ Biomechanics	Cardiorespiratory 2	Musculoskeletal 1	Musculoskeletal 3	Orthopaedic Biomechanics
	Taiwanese Innovation in Biomechanics	Bioreactors and Other Emerging Technologies for Tissue Engineering	Dental Biomechanics	Image and Model Integration to Improve Radiation Treatment for Lung Cancer	In Vivo Human Active Muscle Mechanics and Function	Computational Joint Mechanics 3	Custom-Made Implants
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Orthopaedic Biomechanics	Artificial Organs, Medical Device &	Sports Biomechanics	Biofluid and Transport 1	Biofluid and Transport 2	Emerging Areas	
	Navigation and Computer Assisted Surgery	Medical Device/Soft Tissue Interaction 2	Wearables in Sports Monitoring	Blood Rheology	Nanotherapeutics and Nanoparticle Transport	Damage Mechanisms in Brain Biomechanics	

17:00-17:20	REFRESHMENT BREAK
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17:20-18:50	Channel 1 / TICC	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
		Cell Biomechanics 2	Tissue Engineering 1	Cardiorespiratory 1	Cardiorespiratory 1	Cardiorespiratory 3	Musculoskeletal 1
		Mechanobiology and Molecular Mechanism	Mechanobiology of Engineered Soft Tissue Growth and Remodeling	Image-based Cardiovascular Mechanics 2	Vascular Mechanics and Blood Flow 1	Cardiac Biomechanics, Hemodynamics, Materials and Prostheses	Cartilage Mechanics 1
	Channel 8	Channel 9	Channel 10	Channel 11	Channel 12	Channel 13	Channel 14
	Musculoskeletal 1	Orthopaedic Biomechanics	Locomotion and Human Movement 1	Artificial Organs, Medical Device &	Sports Biomechanics	Injury, Rehabilitation, and Ergonomics	Biofluid and Transport 2
	Cartilage Mechanics 2	Multiscale Biomechanics for Orthopedics - From Molecules to Patients	Locomotion & Biomechanics - Cerebral Palsy	Imaging for Biomechanics	Paralympic Sports	Biomechanics of Ankle Joint Injury and Prevention	Microfluidics

DAY 5 - JULY 14, 2022 (THURSDAY)

UTC+8	
19:00-19:40	Channel 1 / TICC
	CLOSING CEREMONY
	Closing Remarks
	Award Presentations
	10th WCB Introduction